



Diagnostic Medical Sonography 2014-2015

Diagnostic Medical Sonographer is a professional qualified by professional credentialing, academic and clinical experience to provide diagnostic patient care services using ultrasound and related diagnostic procedures. The scope of practice includes those procedures, acts and processes permitted by law, for which the individual has received education and clinical experience, has demonstrated competency and has completed the appropriate credentialing which is the standards of practice. Coursework includes use of sonography relevant to gynecology, obstetrics, abdominal subjects, superficial structures and vascular applications. The Diagnostic Medical Sonography Program has been in operation since 1984 and is accredited by the Commission on Accreditation of Allied Health Education Programs, Joint Review Committee on Education in Diagnostic Medical Sonography, and the Western Association of Schools and Colleges.

After eighteen consecutive months of competency based, classroom, laboratory instruction and clinical preceptorships, students receive the Certificate of Achievement and may choose to complete an Associate in Science degree option. Students are eligible to take the American Registry for Diagnostic Medical Sonography (ARDMS) exams.

Program Learning Outcomes:

- Students will demonstrate the necessary knowledge, technical skills, analytical skills, interpersonal skills and diagnostic ability within the scope of practice for diagnostic medical sonography.
- Students will demonstrate the necessary knowledge and values pertaining to professional demeanor including the implementation of confidentiality and privacy for the practice of diagnostic medical sonography.

Career Opportunities:

Students typically pursue technical careers in the hospital, clinic, and office. With additional technical experience career positions may include supervisory positions, as a traveler or independent contractor. Most management, corporate and education positions require a baccalaureate or Master's degree in a related field.

Units required for Major: 106

Units required for Certificate: 106

Associate Degree Requirements:

- English proficiency: ENGL 1A, 1AH, 1S & 1T, ESLL 26 or equivalent.
- Mathematics proficiency: MATH 57, 105, 108 or equivalent.

A minimum of 90 units is required* to include:

- Completion of one of the following general education patterns: Foothill General Education, CSU General Education Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC)

- Core courses (102.5 units)

*Additional elective course work may be necessary to meet the 90-unit minimum requirement for the associate degree.

NOTE: All courses pertaining to the major must be taken for a letter grade. In addition, a GPA of 2.5 or higher is required in all core and support courses for the degree and certificate.

Program Types:

AS = Associate in Science Degree.

CA = Certificate of Achievement.

Additional Information:

Program Application:

Program Information, admission criteria details and application can be found at the Diagnostic Medical Sonography program website:

<http://foothill.edu/bio/programs/ultra> or

<http://foothill.edu/bio/programs/ultra/app.php>

Prerequisites:*

- High School diploma or equivalent.
- Successful completion of a two-year Allied Health Program (see web site for more information).
- BIOL 40A, 40B, & 40C or a semester of Anatomy and a semester of Physiology.
- PHYS 10 or equivalent.
- MATH 105 or equivalent.
- ENGL 1A or equivalent.
- AHS 200 or equivalent.

*NOTE: All prerequisites must completed with a grade of "C" or better. equivalent.

Core Courses: 106 Unit(s)

Fall

AHS 50A Introduction to Allied Health Programs (1.5 units)

DMS 50A Diagnostic Medical Sonography Principles & Protocols (4 units)

DMS 50B Sonography & Patient Care (2 units)

DMS 60A Critique & Pathology I (2 units)

DMS 72A Diagnostic Medical Sonography Procedures & Applications (11.5 units)

Winter

AHS 50B Interprofessional Patient Competencies (0.5 units)

DMS 51A Sectional Anatomy (3 units)

DMS 53A Diagnostic Medical Sonography I (2 units)

DMS 54A Gynecology (2 units)

DMS 60B Critique & Pathology II (2 units)

DMS 70A Clinical Preceptorship I (8.5 units) (32 hrs/wk for 13 wks)

Spring



DMS 52A Physical Principles of Diagnostic Medical
Sonography I (2 units)

DMS 53B Diagnostic Medical Sonography II (2 units)

DMS 54B Gynecology & Obstetrics (2 units)

DMS 60C Critique & Pathology III (2 units)

DMS 70B Clinical Preceptorship II (8 units)

Summer

DMS 52B Physical Principles of Diagnostic Medical
Sonography II (2 units)

DMS 53C Diagnostic Medical Sonography III (2 units)

DMS 55A Obstetrics I (2 units)

DMS 60D Critique & Pathology IV (2 unit)

DMS 70C Clinical Preceptorship III (8.5 units) (32 hrs/wk
for 13 wks)

Fall

DMS 55B Obstetrics II (2 units)

DMS 56A Vascular Sonography (3 units)

DMS 60E Critique & Pathology V (2 units)

DMS 70D Clinical Preceptorship IV (8.5 units) (32 hrs/wk
for 13 wks)

DMS 72E Diagnostic Medical Sonography Procedures &
Applications (1 units)

Winter

DMS 52C Physical Principles of Diagnostic Medical
Sonography III (2 units)

DMS 56B Advanced Applications of Vascular Technology
(2 units)

DMS 60F Critique & Pathology VI (2 units)

DMS 70E Clinical Preceptorship V (8.5 units) (32 hrs/wk
for 13 wks)

DMS 80A Advanced Sonographic Principles (4 units)

Certificates:

Certificate of Achievement in Diagnostic Medical

Sonography

106 Unit(s)

The Certificate of Achievement is awarded upon completion of the Core Courses. General education courses are not required however the prerequisites and entrance requirements must be met.